

Four new Reduviidae.

BY NATHAN BANKS.

Of the four species described below, two have been in my collection for years and are taken in the Eastern States, the other two are from Arizona and sent in recent years by Mr. Biederman.

***Pnirontis modesta* n. sp.**

Pale greyish yellow, with a faint median dark line on the pronotum, four black dots on each lateral margin of the venter and sometimes a black spot in front of each eye. Four large spines under femur I, the basal one short, the next about as long as width of the joint, third still longer, and fourth the longest; the third is a little nearer to the fourth than to the second; tibia I has on the inner side three long spines (closer together than in *Pn. languida*) and near the last one on the lower side is a long, erect, stout spur or spine. Tip of abdomen forked as in *Pn. languida*, but the lobes are more divaricate and broader at the tips than in that species. Length 11 mm.

From Falls Church, Va., and Glencarlyn, Va., in June and July. Resembles *Pn. languida*, but is smaller, and readily separated by the longer spines on femur I, and the long spur on tibia I.

***Spiniger arizonica* n. sp.**

Shining deep black; the posterior margin of the pronotum narrowly reddish, broader at the humeri, and from thence extends inwards and forwards a narrow red line to the transverse furrow, lower lateral margin narrowly reddish, lateral ends of the collar also reddish, scutellar spine mostly reddish; dorsum of abdomen red, a black spot at apex of each segment on the connexivium; venter black, with a broad median red stripe reaching to middle of the penultimate segment, and the lateral margins rather broadly red, almost interrupted with black on the apical third of most of the segments. Anterior lobe of the pronotum smooth, a deep median groove, and two grooves each side reaching only one-half way forward. Posterior lobe depressed on middle basal part, and here strongly, transversely rugose, growing weaker behind; humeri moderately prominent, right-angled; the scutellum margined, spine cylindrical oblique, and nearly as long as the scutellum; meso and metapleura vertically, coarsely striate; in front and rather between bases of antennæ are two short, slightly divergent ridges; legs and antennæ all finely, densely hairy; ventral segments of abdomen finely transversely striate; male genital lobe smooth on sides, hairy below and behind, rounded, with a slight apical swelling containing a median

depression. Wings reaching beyond tip of the abdomen. None of the femora are swollen, and there are no spines on the pronotum. Length 22 mm.

From Palmerlee, Arizona (Biederman).

***Zelus ferox* n. sp.**

Pale yellow; sides of head in front and behind the eyes dark; anterior lobe of pronotum with black on sides, and a narrow incurved stripe each side nearly connected to each other behind middle; posterior lobe broadly dark on sides, black at humeri; basal part of wings black; dorsum of abdomen reddish; below on prosternum is a black spot in front of each coxa I; all femora with a band beyond middle, and one toward tip dark, sometimes a faint band near base of tibia, and sometimes the hind and middle femora have a band before middle. Head short (shorter than in *Z. exsanguis*) with a distinct black-tipped tubercle over base of each antenna; ocelli not two diameters apart; a broad deep furrow on middle of pronotum, fading out toward hind margin, humeri acute, upturned, but scarcely produced; a faint tubercle each side nearer hind edge of pronotum; pronotum and basal part of wings with many fine, short, yellowish hairs; wings extend beyond tip of the abdomen. Length 13 mm.

From Palmerlee, Arizona (Biederman).

***Zelus audax* n. sp.**

Brownish yellow; head with broad black stripe behind each eye, leaving a narrow, median, yellow line, also blackish in front and between eyes; anterior lobe of pronotum black each side and on the lateral margin, posterior part of the posterior lobe blackish; abdomen reddish above, black on sides at tips of the segments. Venter pale, a black spot behind coxa I and also a smaller spot in front, a spot each side at base of each ventral segment, larger near the base of the abdomen; coxæ mostly dark; a broad band beyond middle, and one before tip of each femur; also two or three fainter bands on the tibiæ; second joint of antennæ with broad band near middle, and the tip dark, rest of antennæ mostly dark, sometimes pale at base of third joint. Head long and slender, ocelli more than two diameters apart, no tubercles over base of the antennæ; anterior lobe of the pronotum with a deep median groove; posterior lobe with middle and lateral depressions, the ridges terminating behind in four large, subequal conical tubercles, the lateral ones at the humeri. Wings extend beyond tip of abdomen; body slender. Length 12 mm.

From Sea Cliff, N. Y., in cedar trees, also Falls Church, Va.

Related to *Zelus (Pindus) socius*, but not as dark, and legs differently marked.